Factor each expression completely.

1) $-\frac{3}{10}b - \frac{3}{10} =$ _____

2) $-\frac{3}{18}c - \frac{6}{42} =$ _____

3) $-\frac{24}{56}d + \frac{4}{24} =$ _____

4) $\frac{3}{20}e + \frac{6}{45} =$ _____

5) $-\frac{2}{18}f + \frac{2}{42} =$ _____

6) $\frac{8}{56}g - \frac{28}{14} =$ _____

7) $-\frac{2}{9}h - \frac{4}{27} =$ _____

8) $-\frac{4}{20}j - \frac{2}{10} =$ _____

9) $-\frac{12}{54}k + \frac{16}{36} =$ _____

10) $\frac{16}{56}m - \frac{20}{72} =$ _____

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Factor each expression completely.

1) $-\frac{3}{10}b - \frac{3}{10} =$ $-\frac{3}{10}(\frac{1}{1}b + \frac{1}{1})$

2) $-\frac{3}{18}c - \frac{6}{42} =$ $-\frac{3}{6}(\frac{1}{3}c + \frac{2}{7})$

3) $-\frac{24}{56}d + \frac{4}{24} =$ $-\frac{4}{8}(\frac{6}{7}d - \frac{1}{3})$

4) $\frac{3}{20}e + \frac{6}{45} =$ $\frac{3}{5}(\frac{1}{4}e + \frac{2}{9})$

5) $-\frac{2}{18}f + \frac{2}{42} =$ $-\frac{2}{6}(\frac{1}{3}f - \frac{1}{7})$

6) $\frac{8}{56}g - \frac{28}{14} =$ $\frac{4}{14}(\frac{2}{4}g - \frac{7}{1})$

7) $-\frac{2}{9}h - \frac{4}{27} =$ $-\frac{2}{9}(\frac{1}{1}h + \frac{2}{3})$

8) $-\frac{4}{20}j - \frac{2}{10} =$ $-\frac{2}{10}(\frac{2}{2}j + \frac{1}{1})$

9) $-\frac{12}{54}k + \frac{16}{36} =$ $-\frac{4}{18}(\frac{3}{3}k - \frac{4}{2})$

10) $\frac{16}{56}m - \frac{20}{72} =$ $\frac{4}{8}(\frac{4}{7}m - \frac{5}{9})$

Answers

1. $-\frac{3}{10}(\frac{1}{1}b + \frac{1}{1})$
2. $-\frac{3}{6}(\frac{1}{3}c + \frac{2}{7})$
3. $-\frac{4}{8}(\frac{6}{7}d - \frac{1}{3})$
4. $\frac{3}{5}(\frac{1}{4}e + \frac{2}{9})$
5. $-\frac{2}{6}(\frac{1}{3}f - \frac{1}{7})$
6. $\frac{4}{14}(\frac{2}{4}g - \frac{7}{1})$
7. $-\frac{2}{9}(\frac{1}{1}h + \frac{2}{3})$
8. $-\frac{2}{10}(\frac{2}{2}j + \frac{1}{1})$
9. $-\frac{4}{18}(\frac{3}{3}k - \frac{4}{2})$
10. $\frac{4}{8}(\frac{4}{7}m - \frac{5}{9})$

1-10	90	80	70	60	50	40	30	20	10	0